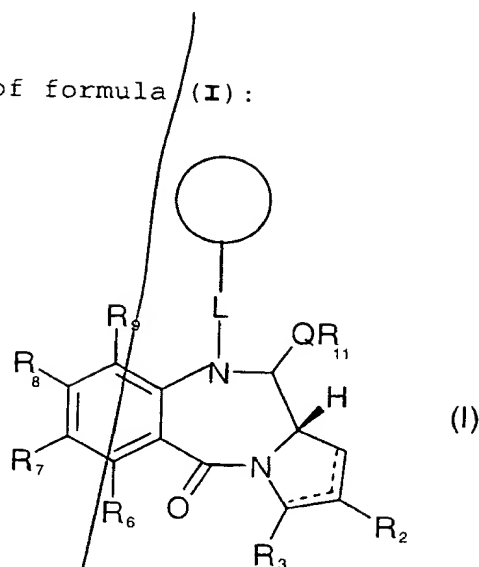


CLAIMS

1. A compound of formula (I):



wherein:

$R_2$  and  $R_3$  are independently selected from: H, R, OH, OR, =O, =CH-R, =CH<sub>2</sub>, CH<sub>2</sub>-CO<sub>2</sub>R, CH<sub>2</sub>-CO<sub>2</sub>H, CH<sub>2</sub>-SO<sub>2</sub>R, O-SO<sub>2</sub>R, CO<sub>2</sub>R, COR and CN, and there is optionally a double bond between C1 and C2 or C2 and C3;

$R_6$ ,  $R_7$ ,  $R_8$  and  $R_9$  are independently selected from H, R, OH, OR, halo, nitro, amino, Me<sub>3</sub>Sn; or  $R_7$  and  $R_8$  together form a group -O-(CH<sub>2</sub>)<sub>p</sub>-O-, where p is 1 or 2;

$R_{11}$  is either H or R;

Q is S, O or NH;

L is a linking group, or a single bond;

O is a solid support;

where R is a lower alkyl group having 1 to 10 carbon atoms, or an aralkyl group of up to 12 carbon atoms, whereof the alkyl group optionally contains one or more carbon-carbon double or triple bonds, which may form part of a conjugated system, or an aryl group of up to 12 carbon atoms; and is optionally substituted by one or more halo, hydroxy, amino, or nitro groups, and optionally contains one or more hetero atoms, which may form part of, or be, a functional group.

2. A compound according to claim 1, except that one or more of  $R_2$ ,  $R_3$ ,  $R_6$ ,  $R_7$  and  $R_8$  are independently X-Y-A-, where X is selected from -COZ', NHZ, SH, or OH, where Z is either H or an

nitrogen protecting group, Z' is either OH or an acid protecting group, Y is a divalent group such that HY = R, and A is O, S, NH, or a single bond.

5 3. A compound according to claim 2, wherein it is either R<sub>2</sub> and/or R<sub>8</sub> that is X-Y-A-.

4. A compound according to claim 1, except that one or more of R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> are independently:

10 H-(T)<sub>n</sub>-X'-Y-A-

where:

X' is CO, NH, S or O,;

Y is a divalent group such that HY = R; SA is O, S, NH or a single bond;

15 T is a combinatorial unit;

and n is a positive integer.

5. A compound according to claim 4, wherein it is R<sub>2</sub> and/or R<sub>8</sub> that are independently:

20 H-(T)<sub>n</sub>-X'-Y-A-.

6. A compound according to claim 4 or claim 5, wherein X' is either CO or NH.

25 7. A compound according to any one of claims 4 to 6, wherein n is from 1 to 16.

8. A compound according to claim 7, wherein n is from 3 to 14.

30 9. A compound according to any one of the preceding claims, wherein R, and HY if Y is present, are independently selected from lower alkyl group having 1 to 10 carbon atoms, or an alkaryl group of up to 12 carbon atoms, or an aryl group of up to 12 carbon atoms, optionally substituted by one or more  
35 halo, hydroxy, amino, or nitro groups.

10. A compound according to claim 9, wherein R, and HY, if Y

is present, are independently selected from lower alkyl group having 1 to 10 carbon atoms optionally substituted by one or more halo, hydroxy, amino, or nitro groups.

5 11. A compound according to claim 10, wherein R, and HY, if Y is present, are unsubstituted straight or branched chain alkyl groups, having 1 to 10 carbon atoms.

10 12. A compound according to any one of the preceding claims, wherein Q is O.

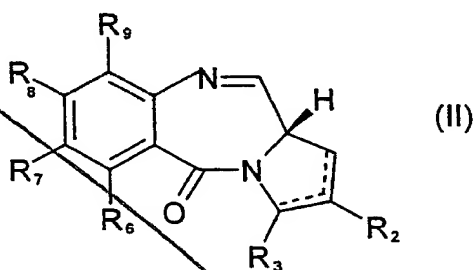
13. A compound according to any one of the preceding claims, wherein R<sub>11</sub> is H.

15 14. A compound according to any one of the preceding claims, wherein R<sub>6</sub> and R<sub>9</sub> are H.

20 15. A compound according to any one of the preceding claims, wherein R<sub>7</sub> is an alkoxy group.

16. A compound according to any one of the preceding claims, wherein R<sub>2</sub> and R<sub>3</sub> are H.

17. A compound of formula II:



25 wherein R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> are as defined in any one of claims 2 to 8.

18. A compound of formula II as defined in claim 17 for use in a method of therapy.

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19. A pharmaceutical composition, comprising a compound of

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formula II as defined in claim 17, and a pharmaceutically acceptable carrier or diluent.

20. The use of a compound of formula II as defined in claim 17 in the preparation of a medicament for the treatment of a gene-based disease.

21. The use of a compound of formula II as defined in claim 17 in the preparation of a medicament for the treatment of bacterial, parasitic or viral infections.

22. A collection of compounds all of which are represented by formula I as defined in any one of claims 1 to 16.

23. A collection of compounds all of which are represented by formula II as defined in claim 17, wherein  $R_2$ ,  $R_3$ ,  $R_6$ ,  $R_7$  and  $R_8$  are as defined in any one of claims 4 to 8, or in any one of claims 9 to 11, 14, 15, or 16 as appendant, directly or indirectly, on any one of claims 4 to 8.

24. A method of screening a collection of compounds of formula II as defined in claim 17 to discover biologically active compounds.

25. The use of a compound of formula II as defined in claim 17 in a method of target validation

26. The use of a compound of formula II as defined in claim 17 in a method of functional genomics.